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SOURCE Meditsinskiy Rabotnik, No 7, 1950.NEW ANTIBIOTIC DEVELOPEDTHERAPEUTIC VALUE ASCERTAINED

F. M. Pidoplichko and V. I. Bilay, associates at the Institute of Microbiology, Academy of Sciences Ukrainian SSR, have developed a new antibiotic -- microcide. This native preparation acts on gram-positive as well as gram-negative microbes, acid-resistant microbes such as dermatophytes, and on penicillin-resistant microbes. This substance was tested at Kiev and Moscow scientific-research institutes where its therapeutic value was ascertained. It is limited to external use.

The Minister of Public Health USSR has approved the use of microcide in Ukrainian medical institutions. The Minister of Health Ukrainian SSR has made provisions for mass production of this substance.

PENICILLIN EFFECTIVE IN CORNEAL INFECTION

Penicillin is being used at the Moscow Clinical Order of Lenin Hospital imeni S. P. Botkin for treating all types of corneal infections. The penicillin is usually prepared in a mixture containing 200,000 international units per 8 cubic centimeters of sterile physiologic salt solution (each injection contains 25,000 international units). This solution is administered intravenously every 3 hours. Depending on the type of infection and its severity, 3 to 6 million international units may be required to effect a cure.

Practical experience indicated the advisability of simultaneous administration of streptocide, various physiotherapeutical methods (quartz lamps, high-frequency waves, etc.), and the application of gramicidin and sulfamide ointments. Results of treatment are generally observed within 3 days after starting the treatment. The temperature decreases, the patient feels better, intoxication diminishes, and local processes are inhibited.

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